BRUHATH BENGALURU MAHANAGARA PALIKE

Yelahanka Division, Yelahanka Zone

Executive Engineeer
Yelahanka Division
B.B.M.P. Bengaluru - 64

No:EE/YNK-D/E-PMT/08/2021-22 Dated: 30-08-2021

APPROVED TENDER SCHEDULE –'B'

Item 14

Name of Work :-Restoration and Improvements of Sainagara, Best county, Bharathnagara and chandrappa layout, Hill side meadows layout , Subhash Chandra Bose layout and surrounding areas in ward no -03 of Yelahanka New town Sub division (PACKAGE NO-14)

Sl	Description	Unit	Approved Qty	Rate quoted by the contractor approved rates Sri YOGESHA (NANDI CONSTRUCTION)	
				Rate	Rate in Words
1	Dismantelling of existing structures like culvert, bridges, retaining walls and other structure comprising of masonry, cement concrete, wood work, steel work, including T& P and scaffolding wherever necessary sorting the dismantelled material, disposal of unserviceable material and stacking the servicebale material, with all lifts complete as per specification Scrapping of stones from dismantelled stone masonry in cement mortor complete as per specification and Directions of Engineer In Charge of the Work	Cum	431.87	852.62	Eight Hundred FiftyTwo Paise SixtyTwo Only
2	Earth work excavation by manual means in ordinary soil involving an average horizontal throw upto 2 meters and an average lift upto 0.5m, excavated surface levelled and sides neately dressed, the disposed earth to be levelled neatly after breaking of clods complete as per specification and Directions of Engineer In Charge of the Work	Cum	8846.52	217.43	Two Hundred Seventeen Paise FourtyThree Only
3	Providing and laying in position plain cement concrete of Mix 1:4:8 with OPC @ 180kgs, with 40mm and down size graded granite metal coarse aggregates @0.85cum and fine aggregates @ 0.57cum machine mixed, machine mixed, concrete laid in layers not exceeding 15 cms. thick, well compacted, in foundation, including cost of all materials, labour, HOM curing complete as per specifications and Directions of Engineer In Charge of the Work	Cum	1358.55	5675.99	Five Thousand Six Hundred SeventyFive Paise NinetyNine Only
4	Providing laying plain / reinforced cement concrete for side drains using M20 nominal mix concrete with OPC at 300kgs with 20mm and downsize granite metal coarse aggregates at 0.69 cum and fine aggregates at 0.43 cum machine mixed, well compacted for walls and bottom including centering shuttering cost of materials, HOM of machinery, curing etc., complet excluding cost of steel as per MORTH specification No. 1500,1700,2200 including cost of materials, labour, HOM complete as per specifications wall & bottom thickness 15cm complete as per specification and Directions of Engineer In Charge of the Work	Cum	2695.22	7497.22	Seven Thousand Four Hundred NinetySeven Paise TwentyTwo Only
5	Providing TMT steel reinforcement Fe500 for R.C.C work including straightening, cutting, bending, hooking, palcing in position, lapping and / or welding wherever required, tying with binding wire and anchoring to the adjoining memebrs wherever necessary complete as per design (laps, hooks and wastage shall not be measured and paid) cost of materials, labour, HOM of machinery complete as per specifications and Directions of Engineer In Charge of the Work	Tonne	166.81	80948.07	Eighty Thousand Nine Hundred FourtyEight Paise Seven Only

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6	Providing and laying in position plain cement concrete of mix 1:2:4 with cement @ 240kgs, with 20mm and down size graded granite metal coarse aggregates @ 0.69 cum and fine aggregtes @ 0.459cum, machine mixed, concrete laid in layers not exceeding 15 cms. thick, well compacted, in foundation, plinth and cills, ncluding cost of all materials, labour, HOM of machinery, curing complete as per specifications and Directions of Engineer In Charge of the Work	Cum	56.88	6089.85	Six Thousand EightyNine Paise EightyFive Only
7	Providing and Fixing Pre cast covering Slab 100mm thick made out of CC, jelly 20mm Down size with steel reinforcement including form work,curing,including cost of alll materials, labour,hire charges of machinery, loading, unloading, lead and lift,transportation etc ,complete.As per Engineer incharge.	Sqm	8471.66	1941.22	One Thousand Nine Hundred FourtyOne Paise TwentyTwo Only
8	Providing and fixing RCC precast cover slab of 230mm thick for drain in cement concrete 1:1.5:3 using graded granite jelly 20mm and down size with steel reinforcement, including form work, lift charges, curing and concrete finished surfaces on both sides etc, complete and as per drawing and the directions of Engineer in-charge.	Sqm	861.00	4530.86	Four Thousand Five Hundred Thirty Paise EightySix Only
9	Providing and fixing pre cast solid cement concrete kerb stones made out of CC 1:2:4 with top and bottom width 114 and 165 mm respectively, 400mm high and 450mm in length finished with CM 1:3 plastering and finishing cutting including formwork, curing, including cost of materials, labour charges of machinery, loading and unloading, lead and lift, transportation ete., complete as per specification and Directions of Engineer In Charge of the Work	Nos	13781.00	436.80	Four Hundred ThirtySix Paise Eighty Only
10	Painting two coats after filling the surface with synthetic enamel paint in approved shades on new plastered concrete surfaces, with materials, labour complete as per specifications and Directions of Engineer In Charge of the Work	Sqm	2169.65	85.65	EightyFive Paise SixtyFive Only
11	Providing & laying heavy duty cobble stones 60mm thick interlock pavers,using cement & course sand for manufacture of blocks of approved size ,shape and colour with a minimum compressive strength of 281 kg per sqm over 50mm thick sand bed (Avg thickness) and compacting with plate vibrator having 3 tons compaction force thereby forcing part of sand underneath to come up in between joints, final compaction of paver surface joints into its final level, including cost of materials, labour and HOM of machineries complete as per specifications and Directions of Engineer In Charge of the Work	Sqm	6125.00	1127.34	One Thousand One Hundred TwentySeven Paise ThirtyFour Only
12	Excavation for roadwork in soil with hydraulic excavator of 0.9 cum bucket capacity including cutting and loading in tippers, trimming bottom and side slopes, in accordance with requirements of lines, grades and cross sections, and transporting to the embankment location to a lead of 1km and complete as per specifications and Directions of Engineer In Charge of the Work	Cum	11049.59	64.58	SixtyFour Paise FiftyEight Only
13	Compaction of original ground with maximum of 6 passes of 8 to 10 tonnes power roller including filling in depression occuring during rolling including cost of all labour, HOM of machinery complete as per specifications and Directions of Engineer In Charge of the Work	Sqm	30592.85	6.42	Six Paise FourtyTwo Only
14	Construction of granular sub base Grading V as sub base and drainage layer by providing coarse graded crushed stone aggregates of granite/basalt material mixing in a mechanical mix plant at OMC. Carriage of mixed materialto work site, spreading in uniform layers with motor grader on prepared surface and compacting with vibratory power roller to achieve the 98% proctor density, complete as per specification and Directions of Engineer In Charge of the Work	Cum	4588.93	2014.87	Two Thousand Fourteen Paise EightySeven Only

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15	Providing, laying, spreading and compacting crushed stone aggregates of granite / trap / basalt to wet mix macadam specifications including pre mixing the material with water at OMC in mechanical mix plant carriage of mixed method of tipper to site, laying in uniform layers with paver in sub-base/base course on well prepared surface and compacting with vibratory roller to achieve the desired density complete as per specifications and Directions of Engineer In Charge of the Work	Cum	6118.57	2021.29	Two Thousand TwentyOne Paise TwentyNine Only
16	Providing and applying primer coat with S.S. bitumen emulsion on prepared surface of granular base such as WMM including cleaning of road surface and spraying primer at the rate of 0.60 kg / sqm using mechanical means complete as per specifications and Directions of Engineer In Charge of the Work	Sqm	30592.85	34.26	ThirtyFour Paise TwentySix Only
17	Providing and applying tack coat using 80/100 grade bitumen(VG10) on the prepared black topped surfaces at 2.5 kg per 10 sqm, heating bitumen in boiler fitted with spray set (excluding cleaning of road surface) including cost of all materials, labour, HOM of machineries complete as per specifications and Directions of Engineer In Charge of the Work	Sqm	30592.85	12.85	Twelve Paise EightyFive Only
18	Providing and laying dense graded bituminous macadam using crushed aggregates of specified grading, premixed with VG30 grade bituminous binder and, transporting the hot mix to work site, laying to the required grade, level and alignment, rolling with smooth wheeled, vibratory and tandem rollers to achieve the desired compaction as per MORTH table 500-10 complete in all respects complete as per specifications.. MORTH Specification No. 507 - using 40/60 TPH capacity H.M.P. with Mechanical paver Gr-II (50 mm to 75 mm) with 4.5 % VG-30 Bitumen complete as per specification and Directions of Engineer In Charge of the Work	Cum	1529.64	7365.73	Seven Thousand Three Hundred SixtyFive Paise SeventyThree Only
19	Providing and laying bituminous concrete 40 mm thick with hot mix plant, using crushed aggregates of specified grading, premixed with bituminous binder and filler, transporting the hot mix to work site, laying with a paver finisher to the required grade, level and alignment, rolling with smooth wheeled, vibratory and tandem rollers to achieve the desired compaction as per MORTH specification clause No. 500.9 complete in all respects complete as per specifications. MORTH Specification No. 509 - using40/60 TPH capacity H.M.P. with Mechanical Paver Gr-II (30 mm to 45 mm) with 5.4 % VG-30 Bitumen complete as per specification and Directions of Engineer In Charge of the Work	Cum	1223.71	8534.82	Eight Thousand Five Hundred ThirtyFour Paise EightyTwo Only
20	Road Marking with Hot Applied Thermoplastic Compound with Reflectrising Glass Beads on Bituminous Surface:- Providing and laying of hot applied thermoplastic compound 2.5 mm thick including reflectorising glass beads at 250 gms per sqm area, thickness of 2.5 mm is exclusive of surface applied glass beads as per IRC:35. The finished surface to be level, uniform and free from streaks and holes complete as per specifications and Directions of Engineer In Charge of the Work	Sqm	1146.20	459.29	Four Hundred FiftyNine Paise TwentyNine Only

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21	Supply and Installation of Moulded Shank Raised Pavement markers made of polycarbonate and ABS (acrylonitrile Butadiene Styrene) moulded body and reflective panels with micro prismatraic lens capable of providing total internal reflection of the light entering the lens face and shall support a load of 16000kg tested in accordance to specifications of category A of MORTH Circular No RW/NH/33023/10-97 - DO III Dt 11.06.1997. The height, width and length shall not exceed 50mm, 10 mm, and 102 mm and with minimum reflective area of 13 Sqcm on each side and slope to the base shall be 35 degree. The strength of detachment of the integrated cylindrical shanks, (of diameter not less than 19 mm and height not less than 30mm) from the body is to be minimum value of 500 kg. Fixing will be by drilling holes on the road for the shanks to go inside, without nails and using epoxy resin based adhesive as per manufacturer's recommendation complete as per specification and Directions of Engineer In Charge of the Work	Nos	154.00	360.79	Three Hundred Sixty Paise SeventyNine Only

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Signature of the Contractor

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Executive Engineer,
Yelahanka Division,
BBMP, Bengaluru-64.